

X-RAY CONTROLLING METHOD AND X-RAY IMAGING APPARATUS

ABSTRACT OF THE DISCLOSURE

For the purpose of enabling reduction of exposure dose, in an X-ray
5 controlling method for an X-ray imaging apparatus for producing an image
based on detected X-ray signals, an upper limit of an X-ray exposure dose to a
subject to be imaged is set (603), and the tube current of an X-ray tube is
modulated so that the exposure dose does not exceed the upper limit (606 – 610).
The modulation of the tube current is achieved by finding an exposure dose
10 predicted value based on an imaging protocol, and modifying a tube current set
value in the imaging protocol when the predicted value exceeds the upper limit.